

REVERSIBLE AIRFLOW EVAPORATORS



APPLICATIONS

POST-HARVEST COOLING | CARCASS COOLING LOW TEMP BLAST FREEZING | BLAST CHILLING

Colmac Coil has developed a line of Reversible Air Flow evaporator units to improve the performance of blast freezers/coolers. Traditional blast freezers blow cooling air in one direction across the product.

Reversible Air Flow evaporators change the air flow direction during the freezing cycle. Switching the air flow direction places the coldest air on the product that was initially staged in the “back” of the freezer. This results in the batch being cooled evenly throughout, reducing freezing time and improving product quality.

ADVANTAGES

- Reduces freezing time by up to 20%
- More uniform product temperatures
- Improved product moisture retention
- Fewer evaporator defrosts required

FEATURES

- Fully reversible tube axial fans
- Coil core configured for reversible air flow
- VFD compatible fan motors
- Available for all refrigerants and system types (ammonia, CO₂, freon, brine)

OPTIONS

- Evaporator material options: SST, HDG, AI
- Cabinet material options: SST, Galvanized
- Defrost: Hot gas, water, electric, interlaced glycol, air

UL | CSA | CE | ASME | CRN | PED



Products



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"The Heat Transfer Experts"

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CRN



CSA

CE(PED) Certification, ASME Sec. VIII,
Canadian Registration Number, UL508, Canadian Standards Association

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